

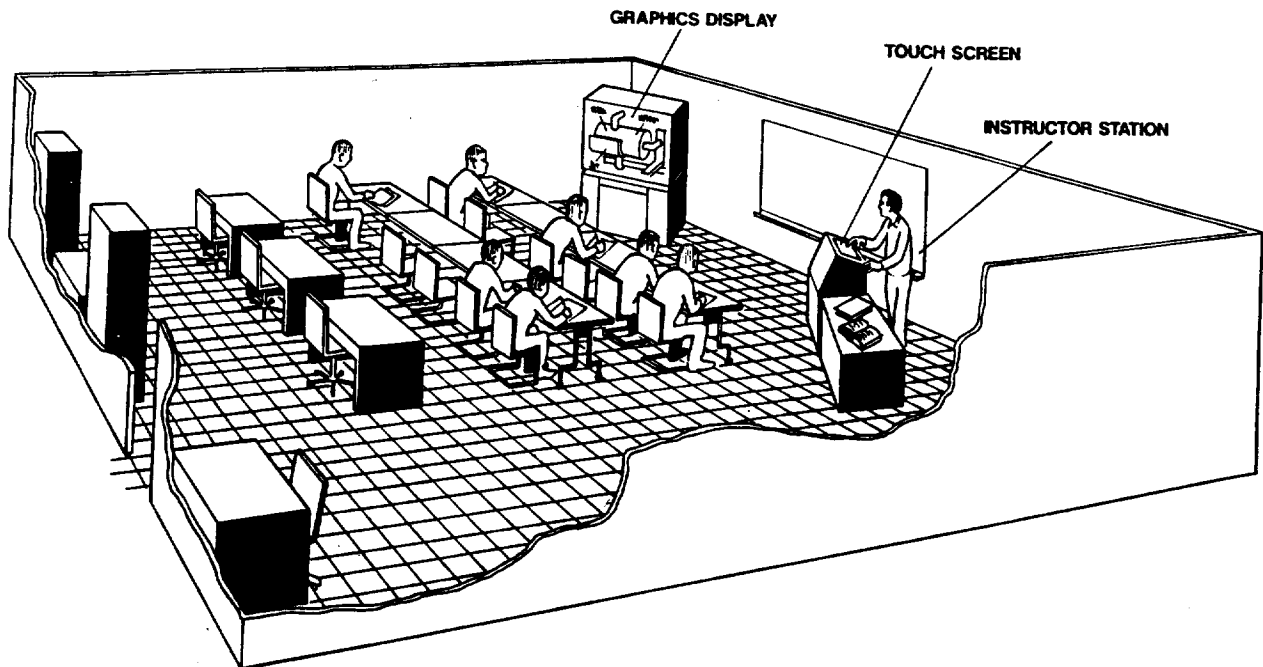
SUMMARY OF AV-8B INSTRUCTIONAL GRAPHICS TRAINING DEVICE

June 1992

Device 11H156

NAVAL TRAINING SYSTEMS CENTER

ORLANDO, FLORIDA



22-024/1

**AV-8B INSTRUCTOR GRAPHICS TRAINING DEVICE
(DEVICE 11H156)**

TRAINING CATEGORY:

AVIATION

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION OF DEVICE:

Device 11H156 is unclassified.

PURPOSE OF DEVICE:

Assist instructor in teaching AV-8B maintenance training.

INTENDED USE:

Device 11H156 is used to provide the instructional tools necessary to enhance the training environment for the AV-8B maintenance trainee and increase the ability of the instructor to demonstrate system operation dynamically for the accomplishment of physical tasks.

The simulated graphics and courseware, which is an integral part of the device, allows the instructor a free-play oriented approach to student instruction.

FUNCTIONAL DESCRIPTION:

Device 11H156 consists of three configurations: Instructional Graphics Training Device; Instructor

Graphics Review Station, Device 11H156/1; and Graphics Development Station, Device 11H156/2.

Device 11H156 consists of two basic units, a large rear-screen projection system and an Instructor Station (IS).

The projection system is a 67-inch diagonal Fresnel/Lenticular-type screen, and light output of 835 lumens at 10% peak white minimum.

The IS is essentially a podium which houses an IBM-compatible 486/33 PC and a 14-inch touch screen monitor which the instructor uses to control the graphics being presented to the student on the associated projection system.

PHYSICAL INFORMATION:

Trainee Station Room - 12 feet high x 35 feet wide x 36 feet long.

Podium - 46 inches high x 18 inches wide x 24 inches deep.

Graphics Display - 77.5 inches high x 53.5 inches wide x 40.5 inches deep.

EQUIPMENT REQUIRED:

NONE

POWER REQUIREMENTS:

120 VAC, 1000 watts max.

PUBLICATIONS FURNISHED:

Operation and Maintenance Manuals supplied with all commercial equipment.

Instructor Handbook, AV-8B Instructional Graphics Training Device, Device 11H156, NAVTRADEV P-6949 (U).

PERSONNEL:

Instructor - One Marine instructor qualified in the particular AV-8B system being taught.

Trainees - 8 to 16 students

Maintenance Personnel - COMS.

CONTRACT IDENTIFICATION:

Designed and developed by NAVTRASYSSEN, Orlando, FL.

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